cuny masters in data science

cuny masters in data science programs represent an essential pathway for aspiring data professionals seeking advanced knowledge and skills in the rapidly evolving field of data science. As the demand for data scientists continues to grow across industries, the City University of New York (CUNY) offers comprehensive graduate programs designed to prepare students for careers in data analytics, machine learning, and big data technologies. This article provides an in-depth exploration of the CUNY masters in data science, including program structure, admission requirements, curriculum details, career outcomes, and the benefits of studying data science at CUNY. Whether prospective students are evaluating their educational options or professionals aiming to enhance their expertise, this overview covers critical aspects to consider. The discussion will also highlight key features that distinguish CUNY's offerings in data science education.

Overview of CUNY Masters in Data Science Programs

The CUNY masters in data science programs are designed to equip students with a solid foundation in statistical analysis, computer science, and domain-specific knowledge necessary to solve complex data problems. These programs are offered across several CUNY campuses, including Hunter College, Baruch College, and the Graduate Center, each providing unique strengths and specializations. The curricula emphasize practical skills, including programming languages like Python and R, machine learning techniques, and data visualization tools. Additionally, students engage in collaborative projects and research opportunities that reflect real-world data challenges.

Program Formats and Duration

CUNY offers masters in data science through various formats to accommodate different student needs, including full-time, part-time, and online options. The typical duration ranges from 1.5 to 2 years for full-time study, allowing

for a comprehensive educational experience. Part-time and evening classes are often available to support working professionals seeking to upgrade their skills without interrupting their careers.

Specializations and Focus Areas

Within the broader data science curriculum, CUNY programs may offer specialized tracks or electives in areas such as:

- Machine Learning and Artificial Intelligence
- Big Data Analytics
- Data Engineering
- Business Intelligence
- Statistical Modeling and Data Mining

This flexibility allows students to tailor their studies according to their career goals and interests.

Admission Requirements and Application Process

Admission to the CUNY masters in data science programs is competitive and typically requires a strong academic background in quantitative disciplines. Applicants are evaluated based on several criteria to ensure they can succeed in the rigorous program.

Academic Qualifications

Prospective students usually need a bachelor’s degree in computer science, mathematics, statistics, engineering, or related fields. Some programs may consider applicants with diverse backgrounds if they demonstrate proficiency in relevant quantitative skills through coursework or professional experience.

Standardized Tests and Prerequisites

Many CUNY data science programs require GRE scores as part of the application, although some may waive this requirement depending on the applicant's experience or academic record. Prerequisite courses in calculus, linear algebra, and programming are often expected or recommended to prepare students for graduate-level study.

Application Materials

Applicants must submit the following materials:

1. Completed application form
2. Official transcripts from all prior institutions
3. GRE scores (if required)
4. Letters of recommendation
5. Statement of purpose outlining career objectives and motivation
6. Resume or curriculum vitae highlighting relevant experience

Some programs may also conduct interviews to assess candidates’ fit and readiness for the program.

Curriculum and Course Structure

The curriculum for a CUNY masters in data science is carefully crafted to provide both theoretical foundations and hands-on experience in key areas of data science. It typically combines core courses, electives, and a capstone project or thesis to synthesize learning.

Core Coursework

Core courses generally cover topics such as:

- Introduction to Data Science and Data Analytics
- Probability and Statistics for Data Science
- Data Mining and Machine Learning
- Programming for Data Science (Python, R, SQL)
- Data Visualization and Communication
- Big Data Technologies and Cloud Computing

This foundational knowledge is essential for understanding how to analyze and interpret complex datasets effectively.

Electives and Special Topics

Students can choose from a variety of electives that align with emerging trends and applications in data science, including:

- Natural Language Processing
- Deep Learning
- Data Ethics and Privacy
- Business Analytics
- Health Informatics

Capstone Project or Thesis

A significant component of the masters program is the capstone project or thesis, which allows students to apply their acquired knowledge to real-world problems. These projects often involve collaboration with industry partners, academic researchers, or public sector entities, providing practical experience and enhancing employability.

Career Opportunities and Industry Connections

Graduates of CUNY masters in data science programs are well-positioned to enter a diverse range of industries that rely on data-driven decision-making. The program’s emphasis on both technical skills and applied knowledge helps students meet the requirements of various roles in the data science ecosystem.

Potential Career Paths

Common career trajectories for graduates include:

- Data Scientist
- Data Analyst
- Machine Learning Engineer
- Business Intelligence Analyst
- Data Engineer

- Quantitative Analyst

Industry Partnerships and Networking

CUNY maintains strong connections with New York City’s vibrant tech industry, financial sector, healthcare organizations, and government agencies. These partnerships facilitate internship opportunities, guest lectures, and recruiting events, which are valuable for students to build professional networks and gain practical insights into industry demands.

Benefits of Pursuing Data Science at CUNY

Choosing a CUNY masters in data science offers several advantages that make it an attractive option for students seeking quality education combined with affordability and accessibility.

Affordability and Financial Aid

CUNY is known for its cost-effective tuition rates compared to many private institutions. This affordability enables a broader range of students to pursue advanced degrees in data science. Additionally, financial aid, scholarships, and assistantships may be available to help offset expenses.

Diverse and Inclusive Learning Environment

The CUNY system serves a diverse student population, fostering an inclusive academic community. This diversity enriches classroom discussions and collaborative projects, preparing students to work effectively in multicultural and interdisciplinary teams.

Experienced Faculty and Research Opportunities

CUNY data science programs are staffed by experienced faculty members who are active researchers and industry professionals. Their expertise ensures that students receive up-to-date knowledge and can participate in cutting-edge research initiatives.

Location and Accessibility

Being located in New York City, CUNY offers unparalleled access to one of the world’s largest business and technology hubs. This geographic advantage facilitates internships, job placements, and engagement with leading data

science communities.

Frequently Asked Questions

What are the admission requirements for the CUNY Masters in Data Science program?

Admission requirements typically include a bachelor's degree from an accredited institution, a strong background in mathematics or computer science, letters of recommendation, a statement of purpose, and GRE scores may be required for some campuses.

Which CUNY campuses offer a Masters in Data Science program?

CUNY offers Masters in Data Science programs at several campuses including the CUNY Graduate Center and Brooklyn College.

What is the duration of the CUNY Masters in Data Science program?

The CUNY Masters in Data Science program generally takes about 1.5 to 2 years to complete, depending on whether students attend full-time or part-time.

Are there any online options for the CUNY Masters in Data Science?

Some CUNY campuses have started offering online or hybrid courses for their Data Science masters programs, but availability may vary. It's best to check the specific campus website for the latest information.

What kind of career support does CUNY provide for Data Science master's students?

CUNY provides career services including job placement assistance, internships, networking events, and workshops specifically tailored to Data Science students.

What are the core subjects covered in the CUNY Masters in Data Science curriculum?

Core subjects typically include machine learning, statistics, data mining, big data technologies, programming (Python, R), data visualization, and database systems.

Is financial aid available for students enrolling in the CUNY Masters in Data Science program?

Yes, CUNY offers various financial aid options including federal loans, grants, scholarships, and assistantships for eligible students pursuing a Masters in Data Science.

What are the job prospects after graduating from the CUNY Masters in Data Science program?

Graduates can expect strong job prospects in roles such as data scientist, data analyst, machine learning engineer, and business intelligence analyst in various industries like tech, finance, healthcare, and government.

Additional Resources

1. *Data Science and Machine Learning at CUNY: A Comprehensive Guide*
This book offers an in-depth overview of data science principles tailored for CUNY's Master's program. It covers foundational topics such as statistics, machine learning algorithms, and data visualization. The text integrates practical examples using Python and R, helping students bridge theory with real-world applications. Ideal for both beginners and those looking to solidify their understanding of data science concepts.

2. *Applied Data Science with Python: Insights for CUNY Students*
Focused on practical skills, this book teaches data manipulation, analysis, and visualization using Python libraries like pandas, NumPy, and matplotlib. It includes case studies relevant to urban data sets and public policy, reflecting the environment CUNY students often engage with. The book is a valuable resource for mastering programming techniques essential in data science projects.

3. *Statistical Methods for Data Science: Concepts and Applications*
This text dives deep into statistical theories and methodologies important for data science. Topics include hypothesis testing, regression analysis, and Bayesian inference, framed with examples pertinent to social sciences and business analytics. Perfect for CUNY data science master's students, it strengthens the quantitative foundation necessary for advanced data modeling.

4. *Big Data Analytics: Techniques and Tools in the CUNY Curriculum*
Covering the landscape of big data technologies, this book introduces Hadoop, Spark, and cloud computing platforms integral to handling large-scale data. It emphasizes scalable data processing and analytics, preparing students for industry demands. The practical exercises align with CUNY's coursework to enhance hands-on experience with big data ecosystems.

5. *Machine Learning Algorithms: A CUNY Master's Perspective*
This book systematically explores supervised and unsupervised learning

algorithms, including decision trees, SVM, and clustering methods. With a focus on implementation and performance evaluation, it supports CUNY students in mastering algorithmic techniques. Real-life datasets and projects provide a contextual understanding of machine learning applications.

6. *Data Ethics and Privacy in Modern Analytics*
Addressing the ethical considerations of data science, this book discusses privacy laws, bias in algorithms, and responsible data usage. It is particularly relevant to CUNY's diverse urban environment where data impact is profound. Students learn to navigate the moral challenges of data-driven decision-making and build trustworthy systems.

7. *Deep Learning Foundations: From Theory to Practice*
This comprehensive guide introduces neural networks, CNNs, RNNs, and deep learning frameworks like TensorFlow and PyTorch. Tailored for CUNY's data science curriculum, it balances theoretical insights with coding exercises. Readers gain the skills to develop and deploy deep learning models on complex datasets.

8. *Data Visualization for Insightful Storytelling*
Focusing on the art and science of data visualization, this book explores tools such as Tableau, D3.js, and Seaborn. It teaches how to create compelling visual narratives that communicate data effectively to diverse audiences. CUNY students benefit from examples that emphasize clarity, aesthetics, and interactivity in visual data representation.

9. *Capstone Projects in Data Science: A CUNY Handbook*
Designed to guide students through their final projects, this book covers project planning, data acquisition, model building, and presentation skills. It includes case studies from previous CUNY master's students to illustrate best practices and common pitfalls. This resource is essential for successfully completing a data science capstone with real-world impact.

Cuny Masters In Data Science

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cuny masters in data science: Data Science Careers, Training, and Hiring Renata Rawlings-Goss, 2019-08-02 This book is an information packed overview of how to structure a data science career, a data science degree program, and how to hire a data science team, including resources and insights from the authors experience with national and international large-scale data projects as well as industry, academic and government partnerships, education, and workforce. Outlined here are tips and insights into navigating the data ecosystem as it currently stands, including career skills, current training programs, as well as practical hiring help and resources.

Also, threaded through the book is the outline of a data ecosystem, as it could ultimately emerge, and how career seekers, training programs, and hiring managers can steer their careers, degree programs, and organizations to align with the broader future of data science. Instead of riding the current wave, the author ultimately seeks to help professionals, programs, and organizations alike prepare a sustainable plan for growth in this ever-changing world of data. The book is divided into three sections, the first “Building Data Careers”, is from the perspective of a potential career seeker interested in a career in data, the second “Building Data Programs” is from the perspective of a newly forming data science degree or training program, and the third “Building Data Talent and Workforce” is from the perspective of a Data and Analytics Hiring Manager. Each is a detailed introduction to the topic with practical steps and professional recommendations. The reason for presenting the book from different points of view is that, in the fast-paced data landscape, it is helpful to each group to more thoroughly understand the desires and challenges of the other. It will, for example, help the career seekers to understand best practices for hiring managers to better position themselves for jobs. It will be invaluable for data training programs to gain the perspective of career seekers, who they want to help and attract as students. Also, hiring managers will not only need data talent to hire, but workforce pipelines that can only come from partnerships with universities, data training programs, and educational experts. The interplay gives a broader perspective from which to build.

cuny masters in data science: It's All Analytics! Scott Burk, Gary D. Miner, 2020-05-25 It's All Analytics! The Foundations of AI, Big Data and Data Science Landscape for Professionals in Healthcare, Business, and Government (978-0-367-35968-3, 325690) Professionals are challenged each day by a changing landscape of technology and terminology. In recent history, especially in the last 25 years, there has been an explosion of terms and methods that automate and improve decision-making and operations. One term, analytics, is an overarching description of a compilation of methodologies. But AI (artificial intelligence), statistics, decision science, and optimization, which have been around for decades, have resurged. Also, things like business intelligence, online analytical processing (OLAP) and many, many more have been born or reborn. How is someone to make sense of all this methodology and terminology? This book, the first in a series of three, provides a look at the foundations of artificial intelligence and analytics and why readers need an unbiased understanding of the subject. The authors include the basics such as algorithms, mental concepts, models, and paradigms in addition to the benefits of machine learning. The book also includes a chapter on data and the various forms of data. The authors wrap up this book with a look at the next frontiers such as applications and designing your environment for success, which segue into the topics of the next two books in the series.

cuny masters in data science: Practical Data Analytics for Innovation in Medicine Gary D. Miner, Linda A. Miner, Scott Burk, Mitchell Goldstein, Robert Nisbet, Nephi Walton, Thomas Hill, 2023-02-08 Practical Data Analytics for Innovation in Medicine: Building Real Predictive and Prescriptive Models in Personalized Healthcare and Medical Research Using AI, ML, and Related Technologies, Second Edition discusses the needs of healthcare and medicine in the 21st century, explaining how data analytics play an important and revolutionary role. With healthcare effectiveness and economics facing growing challenges, there is a rapidly emerging movement to fortify medical treatment and administration by tapping the predictive power of big data, such as predictive analytics, which can bolster patient care, reduce costs, and deliver greater efficiencies across a wide range of operational functions. Sections bring a historical perspective, highlight the importance of using predictive analytics to help solve health crisis such as the COVID-19 pandemic, provide access to practical step-by-step tutorials and case studies online, and use exercises based on real-world examples of successful predictive and prescriptive tools and systems. The final part of the book focuses on specific technical operations related to quality, cost-effective medical and nursing care delivery and administration brought by practical predictive analytics. - Brings a historical perspective in medical care to discuss both the current status of health care delivery worldwide and the importance of using modern predictive analytics to help solve the health care crisis - Provides

online tutorials on several predictive analytics systems to help readers apply their knowledge on today's medical issues and basic research - Teaches how to develop effective predictive analytic research and to create decisioning/prescriptive analytic systems to make medical decisions quicker and more accurate

cuny masters in data science: *Developing Analytic Talent* Vincent Granville, 2014-03-24 Learn what it takes to succeed in the the most in-demand tech job Harvard Business Review calls it the sexiest tech job of the 21st century. Data scientists are in demand, and this unique book shows you exactly what employers want and the skill set that separates the quality data scientist from other talented IT professionals. Data science involves extracting, creating, and processing data to turn it into business value. With over 15 years of big data, predictive modeling, and business analytics experience, author Vincent Granville is no stranger to data science. In this one-of-a-kind guide, he provides insight into the essential data science skills, such as statistics and visualization techniques, and covers everything from analytical recipes and data science tricks to common job interview questions, sample resumes, and source code. The applications are endless and varied: automatically detecting spam and plagiarism, optimizing bid prices in keyword advertising, identifying new molecules to fight cancer, assessing the risk of meteorite impact. Complete with case studies, this book is a must, whether you're looking to become a data scientist or to hire one. Explains the finer points of data science, the required skills, and how to acquire them, including analytical recipes, standard rules, source code, and a dictionary of terms Shows what companies are looking for and how the growing importance of big data has increased the demand for data scientists Features job interview questions, sample resumes, salary surveys, and examples of job ads Case studies explore how data science is used on Wall Street, in botnet detection, for online advertising, and in many other business-critical situations Developing Analytic Talent: Becoming a Data Scientist is essential reading for those aspiring to this hot career choice and for employers seeking the best candidates.

cuny masters in data science: The TensorFlow Workshop Matthew Moocarme, Anthony So, Anthony Maddalone, 2021-12-15 Get started with TensorFlow fundamentals to build and train deep learning models with real-world data, practical exercises, and challenging activities Key FeaturesUnderstand the fundamentals of tensors, neural networks, and deep learningDiscover how to implement and fine-tune deep learning models for real-world datasetsBuild your experience and confidence with hands-on exercises and activitiesBook Description Getting to grips with tensors, deep learning, and neural networks can be intimidating and confusing for anyone, no matter their experience level. The breadth of information out there, often written at a very high level and aimed at advanced practitioners, can make getting started even more challenging. If this sounds familiar to you, The TensorFlow Workshop is here to help. Combining clear explanations, realistic examples, and plenty of hands-on practice, it'll quickly get you up and running. You'll start off with the basics – learning how to load data into TensorFlow, perform tensor operations, and utilize common optimizers and activation functions. As you progress, you'll experiment with different TensorFlow development tools, including TensorBoard, TensorFlow Hub, and Google Colab, before moving on to solve regression and classification problems with sequential models. Building on this solid foundation, you'll learn how to tune models and work with different types of neural network, getting hands-on with real-world deep learning applications such as text encoding, temperature forecasting, image augmentation, and audio processing. By the end of this deep learning book, you'll have the skills, knowledge, and confidence to tackle your own ambitious deep learning projects with TensorFlow. What you will learnGet to grips with TensorFlow's mathematical operationsPre-process a wide variety of tabular, sequential, and image dataUnderstand the purpose and usage of different deep learning layersPerform hyperparameter-tuning to prevent overfitting of training dataUse pre-trained models to speed up the development of learning modelsGenerate new data based on existing patterns using generative modelsWho this book is for This TensorFlow book is for anyone who wants to develop their understanding of deep learning and get started building neural networks with TensorFlow. Basic knowledge of Python programming and its libraries, as well as a general understanding of the fundamentals of data science and machine learning, will help you grasp the

topics covered in this book more easily.

cuny masters in data science: LACUNY Journal City University of New York. Library Association, 1972

cuny masters in data science: *4D Hyperlocal* Lucy Bullivant, 2017-03-23 4D Hyperlocal: A Cultural Tool Kit for the Open-source City The evolution of digital tools is revolutionising urban design, planning and community engagement. This is enabling a new 'hyperlocal' mode of design made possible by geolocation technologies and GPS-enabled mobile devices that support connectivity through open-source applications. Real-time analysis of environments and individuals' input and feedback bring a new immediacy and responsiveness. Established linear design methods are being replaced by adaptable mapping processes, real-time data streams and experiential means, fostering more dynamic spatial analysis and public feedback. This shifts the emphasis in urban design from the creation of objects and spaces to collaboration with users, and from centralised to distributed participatory systems. Hyperlocal tools foster dynamic relational spatial analysis, making their deployment in urban and rural contexts challenged by transformation particularly significant. How can hyperlocal methods, solutions – including enterprise-driven uses of technology for bioclimatic design – and contexts influence each other and support the evolution of participatory architectural design? What issues, for example, arise from using real-time data to test scenarios and shape environments through 3D digital visualisation and simulation methods? What are the advantages of using GIS – with its integrative and visualising capacities and relational, flexible definition of scale – with GPS for multi-scalar mapping? Contributors: Saskia Beer, Moritz Behrens, John Bingham-Hall, Mark Burry, Will Gowland and Samantha Lee, Adam Greenfield, Usman Haque, Bess Krietemeyer, Laura Kurgan, Lev Manovich and Agustin Indaco, Claudia Pasquero and Marco Poletto, Raffaele Pe, José Luis de Vicente, Martijn de Waal, Michiel de Lange and Matthijs Bouw, Katharine Willis, and Alejandro Zaera-Polo. Featured architects and designers: AZPML, ecoLogicStudio, Foster + Partners, Interactive Design and Visualization Lab/Syracuse University Center of Excellence for Environmental Energy Systems, Software Studies Initiative/City University of New York (CUNY), Spatial Information Design Lab/Columbia University, Umbrellium, and Universal Assembly Unit.

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cuny masters in data science: Applied Population Health Approaches for Asian American Communities Simona C. Kwon, Chau Trinh-Shevrin, Nadia S. Islam, Stella S. Yi, 2022-12-08 An insightful text exploring health disparities in Asian American populations In the newly revised Second Edition of Applied Population Health Approaches for Asian American Communities, a team of distinguished public health experts delivers a groundbreaking resource providing an in-depth examination of the soical, political, economic, and cultural forces shaping Asian American health today. Integrating up-to-date applied public health research for assessing health interventions and programs relevant to Asian American communities and other groups that

have been historically marginalized, this book highlights the different frameworks, research designs, and other methodological considerations for reaching Asian American and other ethnic communities. In the latest edition of the book, readers will find contextual explorations of the Asian American population in the United States, as well as discussions of the measurement of health and risk across the lifespan in Asian American groups. It also includes: New and updated case studies showcasing the application of different frameworks and research designs Methodological considerations for reaching Asian American and other vulnerable and underserved communities Examples of successful implementations of community engagement and community-based participatory research. A valuable resource for all levels of health professionals, practitioners, and community advocates, Applied Population Health Approaches for Asian American Communities remains the leading reference for anyone conducting or studying health disparities in Asian American communities or other groups that have been marginalized.

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cuny masters in data science: ACM ... Administrative Directory of College and University Computer Science/data Processing Programs and Computer Facilities , 1988

cuny masters in data science: *College Admissions Data Sourcebook Northeast Edition Bound 2010-11* , 2010-09

cuny masters in data science: *Collaborative Computer Security and Trust Management* Seigneur, Jean-Marc, Slagell, Adam, 2009-12-31 This book combines perspectives of leading researchers in collaborative security to discuss recent advances in this burgeoning new field--Provided by publisher.

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cuny masters in data science: Mainstreaming Basic Writers Gerri McNenny, Sallyanne H. Fitzgerald, 2001-06 Explores the many facets of the mainstreaming movement in college-level basic writing that are currently being debated. Examines the theoretical, political, & pedagogical concerns that arise as pressures push colleges to eliminate basic writing programs.

cuny masters in data science: 2012-2013 College Admissions Data Sourcebook Northeast Edition ,

cuny masters in data science: *Marine and Coastal Geographical Information Systems* Dawn J. Wright, Darius J. Barlett, 1999-12-23 Marine and coastal applications of GIS are finally gaining wide acceptance in scientific as well as GIS communities, and cover the fields of deep sea geology, chemistry and biology, and coastal geology, biology, engineering and resource management. Comprising rigorous contributions from a group of leading scholars in marine and coastal GIS, this book will inspire and stimulate continued research in this important new application domain. Launched as a project to mark the UN International Year of the Ocean (1998) and supported by the International Geographical Union's Commission on Coastal Systems, this book covers progress and research in the marine and coastal realms, in the areas of theory, applications and empirical results. It is the first book of its kind to address basic and applied scientific problems in deep sea and coastal science using GIS and remote sensing technologies. It is designed for GIS and remote sensing specialists, but also for those with an interest in oceans, lakes and shores. Coverage ranges from seafloor spreading centres to Exclusive Economic Zones to microscale coastal habitats; and techniques include submersibles, computer modelling, image display, 3-D temporal data visualization, and development and application of new algorithms and spatial data structures. It illustrates the broad usage of GIS, image processing, and computer modelling in deep sea and coastal environments, and also addresses important institutional issues arising out of the use of these technologies.

cuny masters in data science: The NSF Science Development Programs National Science Foundation (U.S.)., 1977

cuny masters in data science: Administrative Directory of College and University Computer Science/data Processing Programs and Computer Facilities , 1988

cuny masters in data science: *American Universities and Colleges* Praeger Publishers,

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